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AN 104:212160 CA
TI Mortar compositions
IN Nakayama, Fumio; Kawase, Hito; Toyama, Masao
PA Kikusui Kagaku Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
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DT Patent
LA Japanese
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CC 58-3 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 38

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PI	JP 61040861	A2	19860227	JP 1984-162514	19840731

AB The mortar compns. consist of white **cement** (I), white aluminous **cement** (II) (II/I wt. ratio of 0.5-5), gypsum (III) (III/I wt. ratio of 0.3-2), polymer dispersion [(polymer component)/(I + II + III) wt. ratio of 0.1-1], **colored sand** (aggregates), and water. The mortar compns. prevent irregular color, significantly inhibit crack formation caused by mortar shrinkage, and are useful as a decorative floor surface of trains and ships, and as an internal or an external wall of buildings. Thus, I 25 was mixed with II 45, and III 35, then with a mixt. of poly(acrylic acid ester) dispersion [(polymer component)/(I + II + III) wt. ratio of 0.2], SiO₂ sand 200 parts, and water to give a mortar compn., and a galvanized sheet was coated with the compn. 4 mm thick (as dried) and cured. The resultant board was bent at an angle 120.degree.

to show no crack formation. Several drops of water were dropped on the coating, and the coating did not show appreciable change 1 day later.

ST shrinkage crack prevention; gypsum aluminous **cement** polymer mortar; polyacrylate dispersion mortar compn; irregular color prevention